

CommonSpot™ 8.0.1

Service Pack

Release Notes



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About this Document

This document summarizes the following for this service pack:

- Important Notes
- Enhancements
- Notable Bug Fixes

For detailed instructions for installing CommonSpot, see the *Installation Guide* appropriate for the release you are currently using.

For detailed instructions on upgrading from a previous version of CommonSpot, see the appropriate release of the *CommonSpot Upgrade Guide*.

Important Notes

Schema Update

You must run a schema update as part of the 8.0.1 update. Although this service pack contains no schema changes, updates to CommonSpot “factory” data require a database schema update.

Browser Support Updates

This release supports the following for authoring in CommonSpot:

- Firefox 10 ESR, Firefox 17 ESR
- Internet Explorer 8 and 9, and version 10 for Windows 7
- The latest versions of Chrome and Safari (for Mac)

NOTE: The latest version of Chrome does not support automatic download and installation of a clipboard helper for cut, copy, and paste operations in CommonSpot. For security reasons Firefox 17 ESR does not include programmatic clipboard access. These changes affect authoring in CommonSpot as follows:

- **Chrome:** For Chrome support, search the Chrome store for the `cs_paste_extension`: <https://chrome.google.com/webstore/search-extensions/paperthin>. Sites currently using the CommonSpot Chrome extension for authoring should replace it with the Chrome store version. Chrome changes limit clipboard operations to RTE toolbar options. Keyboard shortcuts no longer work and will no longer invoke the Paste Options dialog during an authoring session.
- **Firefox:** Because Firefox 17 ESR does not allow programmatic access to the clipboard, any currently installed clipboard helper will not work with this version of the browser, limiting CommonSpot support and Paste Options to the key commands CTRL-C, CTRL-X, and CTRL-V. The RTE buttons and menu options for Cut, Copy, and Paste are not available when using Firefox 17 ESR.
- **Safari on Mac:** As before, the RTE toolbar options for cut, copy, and paste do not work in Safari. To use these options with the Paste Options dialog enabled, contributors on Mac machines can author using Firefox or Chrome (with the Chrome store paste extension). Mac/Safari users can author with clipboard options restricted to key commands, but will not have the benefit of invoking the Paste Options dialog.

Cache Processing

Cache status updates have been optimized to minimize impact on page performance. Some processing has been moved to a background thread, but may also occur at the end of page requests. Content is flushed so users don't wait for this processing, but browsers may still indicate that the request is not complete.

NOTE: Because `<CFFlush>` may be used at the end of page rendering, any custom logic contained in an `OnRequestEnd` method which manipulates HTTP headers (for example) may be adversely affected.

JDK 1.7 Support

CommonSpot now supports running Adobe ColdFusion 9.0.2 or 10.0 using JDK 1.7 Update 15 or greater. See Adobe ColdFusion articles: <http://helpx.adobe.com/coldfusion/kb/cumulative-hotfix-1-coldfusion-902.html> and <http://helpx.adobe.com/coldfusion/kb/coldfusion-10-update-8.html>.

ADF Support

If you are running the CommonSpot Application Development Framework (ADF), you will need to upgrade the ADF to version 1.6. The core ADF as well as several of the ADF applications have been updated, so check the ADF release notes for more information.

Content Creation API Support

If you are invoking the content creation API as a web service, you will need to change the URL to the web services WSDL file to the following:

```
webserviceURL = "http://{yourserver}/commonspot/webservice/cs_remote.cfc?wsdl";
```

In addition, CommonSpot 8.0.1 now supports using the CommonSpot Content Creation API with J2EE sessions enabled.

Managing ColdFusion Sessions

For installations *not using J2EE sessions* (since only the J2EE server can control J2EE session cookies), two servervars fields in this service pack enable greater control over user login sessions:

- **ServerInfo.SecureServers** – A list of server names (or suffixes) for which cookies should only be sent securely. If the request's server name matches an entry in the list (as described below), 'secure="yes" ' is passed to CFCookie for the CFID and CFToken cookies.
- **ServerInfo.SessionDomains** – A list of domain suffixes. Because the default for a cookie is to apply to the exact server name only, only suffixes make sense in this context. As documented for the domain attribute to CFCookie, all entries must begin with a period (.).

These fields control how CommonSpot uses CFCookie to add/modify these cookies. (Refer to CFML documentation for details on CFCookie attributes.) Both fields use the value found in CGI.Server_Name (which is the server name component of the URL used for the current request) to determine how the CFID and CFToken cookies should be created.

For both fields, a list item beginning with a period (.) is treated as a suffix, and matches the current request URL if it exactly matches the end of the request URL. For example, .paperthin.com is a match for www.paperthin.com but *not* for www-paperthin.com. If the entry does not begin with a period (.), it will match only if the server name component of the current URL is an *exact match*.

If an item in this list matches (according to the rules above) the request's server name, the cookie is created for the matched (sub)domain instead of the specific server

Examples:

```
ServerInfo.SecureServers = ".auth.mycompany.com";  
ServerInfo.SessionDomains = ".mycompany.com";
```

A request made to "http://site1.auth.mycompany.com" would not create cookies because the request did not use SSL.

A request to https://site1.auth.mycompany.com" gets secure cookies for the entire 'mycompany.com' domain (because the cookie was created/updated with the 'domain=".mycompany.com"' attribute in CFCookie call).

Issues with Manually Reordering Custom Element Records

Under certain conditions, manually selecting multiple Custom Element records to display on a page returned the same record multiple times. This may indicate corrupted data. If you experience this problem, switch the render mode to display all records, save, then reopen the manual selection dialog and choose the desired records and their order.

Enhancements

This release also includes the following improvements to CommonSpot:

Security

To prevent a possible security breach, this service pack removes the ability to directly post JavaScript through CommonSpot URL and Form parameters, which may affect your ADF and custom script modules and custom fields. To support this fix, release 1.6 of the ADF and updates to affected ADF applications include changes that enable continued use of existing form or URL parameters. Download the latest.

This release also closes the following:

- Cross-site scripting vulnerabilities found in 8.0 simple forms.
- Potential vulnerabilities in the CommonSpot error reporting module
- A potential JavaScript exploit of URL parameters

Performance

- An optimization to cache status processing improves cache update performance in Shared Database environments.
- Problems with slow query response in MySQL environments were addressed.

Search Collection Management for Replication ROPs

An update to more accurately identify the location of full-text search collections on Replication Read-Only servers fixed search problems that occurred when the ROPs path differed from the authoring server path.

Demo Site

Demo site search collections now populate on install.

RTE Paste Options

To prevent unexpected results when cutting, copying, and pasting, this release improves controls for choosing the Paste options displayed to Rich Text Editor users.

Page Sets

This release optimizes cache clearing and stub rebuilding when page sets are updated.

Better Insert/Edit Link Interface

The Insert/Edit Link dialog more clearly displays current link type and target information and simplifies the process of changing link type.

Logging

- Enhancements to CommonSpot logging add more detail to better troubleshoot locking problems.
- You can optionally enable a new log file (slow-call.log) that records certain background tasks that take longer than expected. Entries in this log are not errors, but could indicate performance bottlenecks.

To enable this flag, enter this line to the 'optional' section of /keys/servervars.cfm:

```
ServerInfo.RemoteRequest_LogSlowCalls = "250"
```

where 250 is the number of milliseconds over which CommonSpot starts logging. If this statement is not set in servervars.cfm, or if the value is "0" this flag is OFF.

Copying Elements

You can now copy an Element and delete the original without affecting the new copy.

Improved Incident Reporting

This service pack removes unused modules and adds categories to the Support Incidents user interface to reflect updates to CommonSpot.

Notable Bug Fixes

This release fixes issues with:

Analytics

Google Analytics did not return all page data or render charts in CommonSpot due to a change in the Google API.

Caching

- Under certain circumstances, changing Cache/Static Settings at the page level produced a 500 error.
- In some cases, pages rendered with one or more elements missing. Viewing Page Source showed that CS delivered CFML to the browser.
- Settings and data passed through metadata forms to render dynamic JavaScript menus produced rendering issues, such as the intermittent display of the edit icon.
- Processing bottlenecks occurred during the request initialization process. An update in this service pack eliminates redundant object cache build, removing these bottlenecks. Note that this may require re-evaluating (reducing) the setting for Maximum Simultaneous Requests, since fewer requests will spend time waiting for locks.
- Under certain conditions, page updates did not always propagate to Read-Only Production Servers.
- In a shared-database cluster under load, simultaneous updates to the ElementCache table produced unnecessary error log entries.
- In shared database environments cache update events were not correctly processed on all Read-Only Production Servers. This service pack resolves the resource conflicts that caused this problem.

Background Tasks

- The Content Creation API failed ('not logged in' errors for every call) if J2EE sessions were enabled with ColdFusion 10.
- If no '/commonspot' mapping exists (CF administrator), and if there is also no '/' mapping such that '/commonspot' resolves correctly, certain background tasks can fail. This 'missing mapping' case is now detected at startup and will result in an error, which can be fixed by adding the appropriate mapping in the CF administrator.

Create Page

Deleting a CommonSpot page referenced in a Metadata Form URL field defined in the template produced a 500 error.

Custom Elements

- When creating a display template for a Custom Element, any attempt to create or add a field of type Formatted Text Block abandoned the creation/edit process, preventing generation of the display template.
- After removing Global Custom Element data, customers could not delete the associated viewing page. It is now possible to delete both Global Custom Elements and their viewing pages.
- Custom Elements that used the same sort letter or number for tabs (for example, the letter *a* to sort both) did not display the second tab when those records were opened for editing. CommonSpot now disallows using the same sort order for separate tabs.
- Custom Elements instantiated on base templates, caused a ColdFusion error if the render mode for the Element was changed on derived pages.

- Selecting Global Custom Element records for manual rendering produced unexpected results.

Datasheets

- Exporting CommonSpot Datasheet content to Excel generated an exception error.
- Columns deleted from a Datasheet could not be re-added. Deleted fields remained in Datasheets causing errors.
- Adding a render handler to a Datasheet column produced a Query of Queries error because ColdFusion could not detect the column's data type.

Delete/Copy/Move

- Some customers reported Permission Denied errors for Copy and Move operations. Security changes to the background processes handling these requests resolved this problem.
- Installations using cookie-based single-signon reported errors for Delete/Copy/Move Selected operations in CommonSpot reports, due to missing cookies.

Delete Page

Summer 2012 users reported "RECORDCOUNT is undefined in QTREE" errors when deleting pages.

Email

- Release 6.2.1 customers were unable to update the email server configuration on a replication ROPS.
- Some valid email addresses were rejected by field-level validation

Error Messaging

- Metadata – In response to using an existing title, CommonSpot issued warnings for pages and page sets only. Duplicate page title warnings are now also issued for registered URLs and uploaded document types.
- Authoring – An empty lightbox containing only a period displayed to shared contributors attempting to author on sites without shared contributor licenses. CommonSpot now displays an appropriate error message for this case.
- CommonSpot now errors appropriately when forms are submitted without required fields.

Field Type and Masks

The Field Type column did not wrap properly in this view.

Formatted Text Block

Formatted textblock rendering issues were reported on Railo installations.

Freshness Reminders

The Remind On column in My CommonSpot did not always display a date string.

Image Gallery

Image Gallery administration rights were required in order to view private images in Find/Choose image operations.

Image Grid

Under certain circumstances, customers reported a system hang when adding a link to an image in an Image Grid.

Image Upload

In IE 9 only, uploading an image resulted in an access denied condition on dialog submit.

LinkBar

- LinkBar targets failed when links were registered for relative URLs or when set to open in a new window.
- LinkBar targets reported a “Page Requested has been Deleted” error for links to pages in a separate subsite.

Link References

- Updating link references by setting the new target to an external URL generated errors.
- Validating Link References within Formatted Text Blocks caused a ColdFusion exception error.
- Unauthorized user could change Referring Pages from various report dialogs

Login/Logout

- Logging out produced an orphan popup.
- The UserID field did not have focus on open. This field sometimes lost focus when logging in through admin.cfm.
- When custom text was used for Forget Password, Change Password did not always work.
- Changing the text next to the login button in override-login-text.cfm did not always work.
- The login customization file override-login-text.cfm did not include an option to modify dialog title. The dlgTitle function is now exposed in override-login-text.cfm.
- New settings allow more control over the CFID and CFTOKEN cookies used for ColdFusion session management. See the *Developer's Guide* for details on new servervars settings.

Manage Full-Text Search Collections

To address performance issues reported by sites with either large collections or a large number of collections, Manage Full-Text Search Collections now includes controls for individually populating collections and checking status on the fly.

Metadata

Pages or documents stored with special characters returned an “unexpected non-XML response” message on document load.

Characters copied from PDFs and pasted into standard metadata fields introduced invalid XML characters, which caused CommonSpot reports to fail.

My CommonSpot

My CommonSpot sections displayed publication dates instead of submission dates. Dates are now more directly related to the changes shown for each section.

Page Index Elements

- With Performance Option 2 (default) enabled, publishing a new page containing a Page Index produced a ColdFusion “Error executing cached query” condition.
- When using a metadata filter that referenced taxonomy terms the Page Index filter returned an “Element RESULT.SQL is undefined in ARGUMENTS” error.
- Page Indexes did not return subsites when a specific Category was included in the filter criteria.
- Deleting a subsite containing a page referenced in a page index using custom filtering produced output errors.

Permissions

- The Save as Element option was not visible to authorized users. The Save As Element menu option now displays to users with either Save As Element or Manage Elements permissions.
- Users could make copies of pages for which they did not have permissions. CommonSpot now checks for both Create Page and Author permissions before allowing copy actions.
- Under some circumstances, a java-level permissions error prevents authoring on a template.

Pop-up Menus

Users experienced errors editing pop-up menus.

Query by Example

An extra space included in the filter criteria caused queries to fail with a “Query did not return any results” error.

QuickTime

Multimedia content entered using the QuickTime Element did not play back for IE 8 or 9 users.

Referring Pages

Viewing referring pages for registered URLs with parameters produced an internal error.

Rename Page

You could not tab to the down arrows in this dialog to copy content from preceding fields.

Render Handlers

When importing a Custom Element with render handlers from another server, it was possible to unlock the Custom Element, but not the render handlers. A new user interface enables unlocking render handlers imported with Custom Elements.

Render Options

- Images did not appear in render mode record listings and path data was corrupted. This release includes logic to prevent the inclusion of zero-length characters (added to help long text wrap) in path data for images and uploaded documents.
- Filtering records using a ColdFusion expression based on subsite information (such as request.subsite.name) returned incorrect data. CommonSpot now uses the correct subsite criteria.

Replication

- Cache rebuilds failed with an undefined “Request.RenderState.WIPInfo” error.
- Replication returned the error “timeout occurred while attempting to lock CacheInfo1_database.”

Rich Text Editor

- A recent update to Firefox 10 10.0.8 and 10.0.9 ESR caused the SpellCheck process to fail, preventing submission of Formatted Text Blocks. An update to the RTE now prevents this condition.
- The RTE did not open when font declarations included a quote.
- The RTE did not render the styles in the Style Select List.
- With the Clipboard Helper enabled, Paste without Formatting did not display as an option. UI enhancements now show the Paste-Formatted and Paste-Unformatted options if enabled.
- Chrome users were unable to add/remove rows or columns in RTE Tables.
- Firefox 10.6 ESR users reported problems with background images in tables.

- In IE9 users could not select words to apply styles or save RTE settings.
- Adding a word to the Spell Check dictionary in IE 8 or 9 produced an error.

Search

- On Linux/ Railo CFML installations, uploaded PDF documents were not indexed.
- Adding custom search criteria to a Saved Search caused a JavaScript error.

Server Administration

The delete site icon was hidden when a large number of sites were listed.

Scheduled Jobs

- Due to undetected abnormal termination of background jobs, initiating new jobs failed with a “cannot start new jobs” error, requiring a CF restart.
- The Last Start and Last End values were reversed in the Last Job Run Status dialog.

Schema Update

Customers using Oracle databases reported site or customer creation failures because the pseudo-table 'RecycleBin' was incorrectly included in schema views.

Simple Forms

- Simple Form labels were incorrectly associated with field IDs.
- Emailed simple forms did not honor masks assigned to date and time fields.

Standard Properties

For pages associated with a Custom Metadata Form, the Standard Properties dialog now displays a Next link instead of Save & View Custom Properties to clarify the fact that edited properties are not saved until changes to the dialog are submitted.

Static Content Generation

Updating static content with a background job generated spurious (undefined variable) ColdFusion errors.

Stub Files

- In a shared-database/shared-file-system cluster configuration under load, some users encountered errors caused by corrupt or zero-sized stub files.
- The Rebuild Stub Files process failed if one or more template stubs was missing or corrupted.

Style Sheets, Style Sheet Sets

Deleting a stylesheet set restored inheritance to the set, but not to individual sheets that were modified at the page level. Sheet inheritance for deleted sets is now restored.

In addition, extraneous Select checkboxes and All/None links were removed from the dialog.

Subsites

Selecting more than one identically named subsite (with different directory paths) returned only one subsite in the Select Subsite dialog.

Subsite Administration

Toggling Active/Inactive checkmarks did not update subsite state.

Templates

- When viewing pages in a subsite for which they did not have page creation rights, contributors could not access templates for which they *did* have rights.
- The Template Gallery listing included templates in inactive categories.
- Moving a template to another subsite added the prefix "template-" to the filename.

Upgrade

- After upgrading to release 6.2, some sites reported timeout errors when editing Subsite Content Security.
- Customers upgrading to Summer 2012 reported "Invalid object name FullTextCollections" errors on upgrade. The upgrade process now includes better error detection to handle SQL server sites with backward compatibility mode set to SQL Server 2000 and indexing and logs non-fatal errors.
- After running the upgrade, the generation of duplicate IDs produced various PK (Primary Key) violation errors.

Uploaded Documents

- The lightbox dialog did not always close when uploading documents through IE9.
- In a shared-database cluster, downloading a document from a ROPS resulted in database errors if the link used getfile for an anonymous-readable document.

User/Group Management

- Users flagged for deletion could not be "undeleted." CommonSpot now allows users marked for deletion to be undeleted once their old user ID is assigned to another user.
- Special characters were improperly escaped for text contained in the Group description field due to the interaction between dialog auto-escaping and CommonSpot text wrapping.
- In Chrome, User Admin icons sometimes wrapped.
- Saving a User record did not properly check the middle name field, resulting in misreporting of duplicate names.